

REMARKS

In the Office Action, the Examiner¹ rejected claims 1-15 and 18-31 under 35 U.S.C. § 102(e) as being anticipated by Brady et al. (U.S. Patent No. 6,442,374 B1, hereafter "*Brady*"). The Examiner indicated that claims 16 and 17 were drawn to allowable material, and these claims would be allowed if rewritten in independent form. Claims 32-36 are withdrawn from consideration, and thus, claims 1-31 are pending. Applicants thank the Examiner for the indication of allowable material, but respectfully traverse the rejection.

In order to support a rejection under 35 U.S.C. § 102(e), each and every element of each of the claim in issue must be found, either expressly described or under principles of inherency, in that single reference. Furthermore, "[t]he identical invention must be shown in as complete detail as is contained in the ... claim." See M.P.E.P. § 2131, quoting *Richardson v. Suzuki Motor Co.*, 868 F.2d 1126, 1236, 9 U.S.P.Q. 2d 1913, 1920 (Fed. Cir. 1989). Applicants respectfully traverse the rejection, as the cited reference does not teach each and every element of independent claim 1.

Claim 1 recites a combination including, for example, "an amplifier . . . having a first terminal . . . and a second terminal for receiving a DC power control signal" (emphasis added). To the extent the Examiner's argument is understood, he appears to allege at page 2 of the Office Action that "the second input for LO controlling power input for voltage regulating at a predetermined level," corresponds to the "second terminal," recited in claim 1. Applicants disagree.

¹ The Office Action contains a number of statements reflecting characterizations of the related art and the claims. Regardless of whether any such statement is identified herein, Applicants decline to automatically subscribe to any statement or characterization in the Office Action.

The 'LO INPUT' taught by *Brady* and described at column 8, lines 36-44, corresponds to element 312 in FIG. 3. *Brady* teaches at column 8, lines 41-43, that element 312 is a "local oscillator input." An oscillator signal by definition cannot constitute a DC signal, and therefore, *Brady* does not teach the Examiner alleged "second terminal for receiving a DC power control signal," as recited in claim 1. Accordingly, claim 1 is allowable.

Claims 7, 20, 29, and 31, though of different scope, recite similar limitations to those recited in claim 1, and thus claims 7, 20, 29, and 31 are allowable at least due to the above discussed reasons with respect to claim 1. Furthermore, claims 2-6, 8-12, 21-28, and 30 respectively depend from independent claims 1, 7, 20, and 29, and these dependent claims are allowable at least due to their dependence.

The Examiner contends at page 4 of the Office Action that *Brady* teaches or suggests a "filter for rejection noise signals having a same frequency as the image signal of the input signal," as recited in claim 13. The Examiner further contends that "the claims . . . with known components . . . are rejected for the reasons given in the scope of claims 1-6." *Id.* Applicants respectfully disagree.

Although *Brady* teaches, for example, at column 8, lines 44-50, a transmitter that produces "an output which corresponds to both the sum and the differences of frequencies f_1 and f_2 . . . with the sum . . . being filtered," this does not constitute a "filter for rejection noise signals having a same frequency as the image signal of the input signal," as recited in claim 13. *Brady* therefore fails to teach each and every element of claim 13. Accordingly, Applicants respectfully submit that claim 13 is allowable over the

reference for at least this reason. Applicants further submit that claims 14, 15, 18, and 19 are allowable at least due to their dependence from claim 13.

In view of the foregoing amendments and remarks, Applicants respectfully submit that claims 1-31 are allowable. Applicants therefore respectfully request that the Examiner reconsider and withdraw the rejection of claims 1-31 under 35 U.S.C. § 102(e).

Please grant any extensions of time required to enter this response and charge any additional required fees to our deposit account 06-0916.

Respectfully submitted,

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